SUBJECT: SOIL EROSION

CATEGORY: USLE - RELATION TO "T" VALUE QUALIFIERS: 1997 CULTIVATED CROPLAND

REPORTING UNIT: AREA (THOUSANDS OF ACRES)

GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 108

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON CULTIVATED CROPLAND BY "T" CATEGORIES FOR MLRA 108

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	>4T <= 5T	> 5T
acres eroding above "t"	25	8	13	5	22
% of total mlra cultivated cropland	16%	5%	8%	3%	14%
% of total mlra cultivated cropland eroding above "t"	34%	11%	18%	7%	30%
% of total state cultivated cropland	<1%	<1%	<1%	<1%	1%
% of total state cultivated cropland eroding above "t"	1%	<1%	<1%	<1%	1%
% of total state cultivated cropland in "t" category	1%	1%	3%	2%	4%

MLRA 108: TOTAL SURFACE AREA = 377

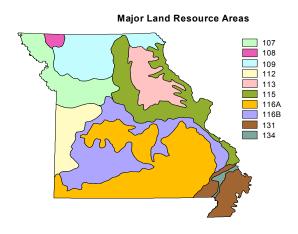
TOTAL ACRES OF CULTIVATED CROPLAND = 160

TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 73

MISSOURI: TOTAL ACRES OF CULTIVATED CROPLAND = 10513

TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 3928

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER2000)



^{* &}lt;u>USLE</u> – Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. <u>"T" Factor</u> – The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.